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## ABSTRACT

- (57) **ABSTRACT**
- A method for adjusting a flow rate of a fluid line is disclosed that includes one or more acts of: capturing an image of a drip chamber using an image sensor; identifying a plurality of pixels of interest within the image; determining a subset of pixels within the plurality of pixels of interest, wherein each pixel of the plurality of pixels is determined to be within the subset of pixels when there is a path to a baseline corresponding to the drip chamber; performing a rotation operation on the subset of pixels; estimating a volume of the drop within the drip chamber by counting a number of pixels within the rotated subset of pixels; and/or adjusting a flow rate of fluid flowing through a fluid line.

